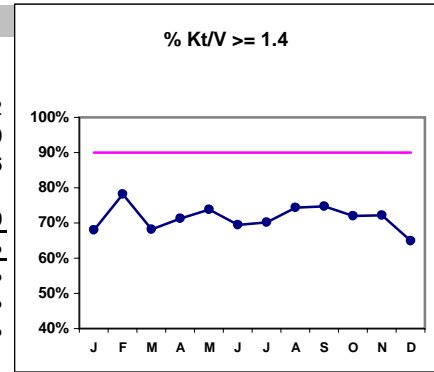


# Haviland Kidney Center - SCU

Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)  
Through period ending December 31, 2003

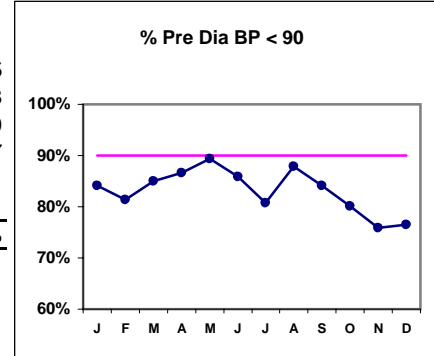
## I. ADEQUACY OF DIALYSIS

	J	F	M	A	M	J	J	A	S	O	N	D
# Kt/V	119	115	104	101	107	111	107	113	111	111	108	111
# Kt/V >= 1.4	81	90	71	72	79	77	75	84	83	80	78	72
Pop. Mean =	1.53	1.63	1.53	1.68	1.6	1.65	1.66	1.6	1.6	1.85	1.6	1.59
Std. Deviation =	0.47	0.48	0.38	0.67	0.35	0.63	0.61	0.44	0.51	3.1	0.53	0.56
Network Mean =	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61	1.61
Natl. Mean 1999 =	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
% Kt/V >= 1.4	68%	78%	68%	71%	74%	69%	70%	74%	75%	72%	72%	65%
% Kt/V > 1.2	80%	91%	83%	84%	90%	85%	85%	88%	84%	83%	87%	85%
Network > 1.2 '00	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%
Natl. % > 1.2 - 2001	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%	91%

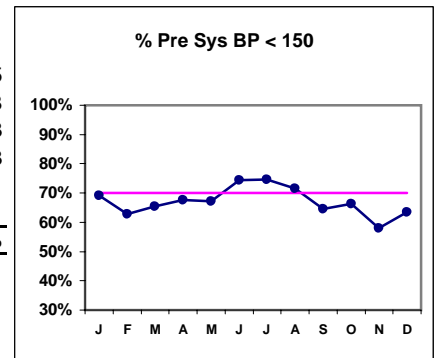


## Blood Pressure Control (Pre)

# Pre Dia BP	120	118	107	105	113	113	114	116	113	116	112	115
# Pre Dia BP < 90	101	96	91	91	101	97	92	102	95	93	85	88
Pop. Mean =	77	78	78	76	77	78	77	76	77	78	80	79
Std. Deviation =	14.9	15	14.2	13.1	12.3	18.8	14	13	13.5	14.4	13.6	13.7
Network Mean =												
Natl. Mean =												
% Pre Dia BP < 90	84%	81%	85%	87%	89%	86%	81%	88%	84%	80%	76%	77%



# Pre Sys BP	120	118	107	105	113	113	114	116	113	116	112	115
# Pre Sys BP < 150	83	74	70	71	76	84	85	83	73	77	65	73
Pop. Mean =	141	143	143	140	140	138	138	138	141	141	146	143
Std. Deviation =	22.8	23.2	23.4	21.9	23.1	22.5	21.8	20.9	23.3	22.5	24.4	23.3
Network Mean =												
Natl. Mean =												
% Pre Sys BP < 150	69%	63%	65%	68%	67%	74%	75%	72%	65%	66%	58%	63%



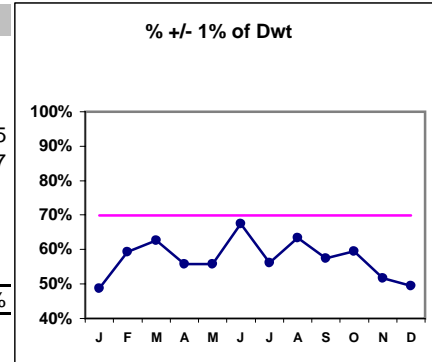
\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

## Haviland Kidney Center - SCU

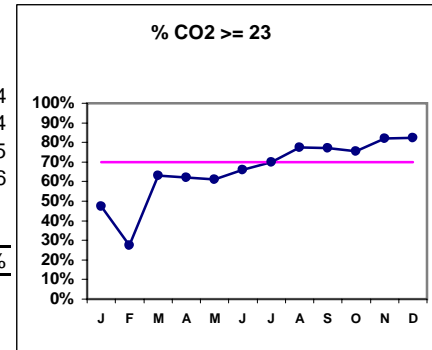
Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)  
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### I. ADEQUACY OF DIALYSIS - CONT.

	J	F	M	A	M	J	J	A	S	O	N	D
# Post/Dwt	119	118	107	104	111	111	114	115	113	116	112	115
# +/- 1% of Dwt	58	70	67	58	62	75	64	73	65	69	58	57
<b>% +/- 1% of Dwt</b>	<b>49%</b>	<b>59%</b>	<b>63%</b>	<b>56%</b>	<b>56%</b>	<b>68%</b>	<b>56%</b>	<b>63%</b>	<b>58%</b>	<b>59%</b>	<b>52%</b>	<b>50%</b>



# CO2	120	117	106	103	111	112	113	115	113	115	111	114
# CO2 >= 23	57	32	67	64	68	74	79	89	87	87	91	94
Pop. Mean =	22	21	23	23	23	23	24	24	25	24	25	25
Std. Deviation =	3.12	3.98	3.83	4.41	4.75	3.93	4.11	3.88	3.17	3.95	4.15	3.96
Network Mean =												
Natl. Mean =												
<b>% CO2 &gt;= 23</b>	<b>48%</b>	<b>27%</b>	<b>63%</b>	<b>62%</b>	<b>61%</b>	<b>66%</b>	<b>70%</b>	<b>77%</b>	<b>77%</b>	<b>76%</b>	<b>82%</b>	<b>82%</b>



\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

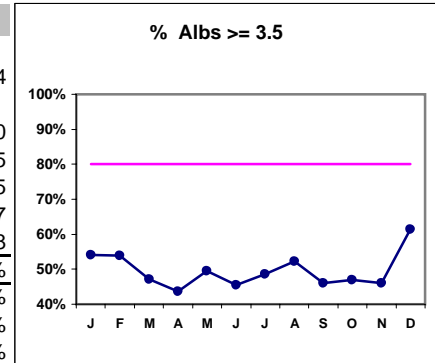
## Haviland Kidney Center - SCU

Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)  
Through period ending December 31, 2003

\*Albumin values use BCG method - as of July 2001

### II. NUTRITION

	J	F	M	A	M	J	J	A	S	O	N	D
# Albumin	120	117	106	103	111	112	113	115	113	115	111	114
# Albumin >= 3.5	65	63	50	45	55	51	55	60	52	54	51	70
Pop. Mean =	3.4	3.4	3.4	3.3	3.3	3.4	3.4	3.4	3.4	3.4	3.4	3.5
Std. Deviation =	0.43	0.49	0.47	0.51	0.53	0.52	0.47	0.45	0.47	0.49	0.48	0.5
*Network Mean =	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
Natl. Mean =	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
% Alb >= 3.5	54%	54%	47%	44%	50%	46%	49%	52%	46%	47%	46%	61%
SCU % >= 3.7	33%	34%	28%	27%	25%	34%	32%	30%	29%	30%	38%	43%
SCU % >= 4.0	12%	16%	12%	12%	10%	13%	9%	10%	16%	17%	14%	23%
*Natl % >= 3.5-BCG	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%	80%
*Natl. % >= 4.0-BCG	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%
*Netwk%>=3.5 BCG	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%	79%
*Netwk%>=4.0 BCG	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%	29%



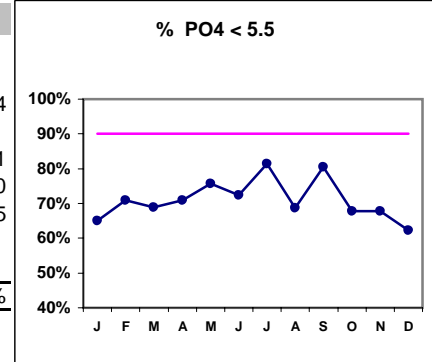
\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

## Haviland Kidney Center - SCU

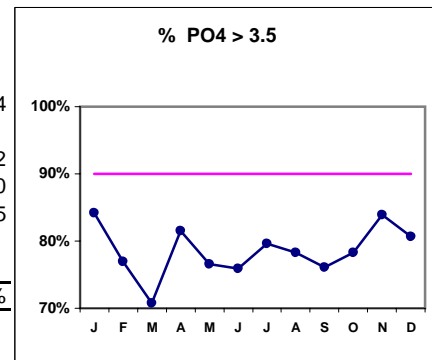
Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)  
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### III. OSTEODYSTROPHY

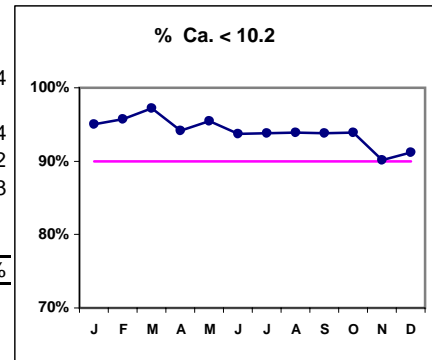
	J	F	M	A	M	J	J	A	S	O	N	D
# PO4	120	117	106	103	111	112	113	115	113	115	112	114
# PO4 < 5.5	78	83	73	73	84	81	92	79	91	78	76	71
Pop. Mean =	5.0	4.8	4.7	5.0	4.7	4.7	4.5	4.7	4.5	4.9	5.0	5.0
Std. Deviation	1.59	1.59	1.75	1.63	1.64	1.47	1.36	1.61	1.37	1.73	1.55	1.65
Network Mean =												
Natl. Mean =												
% PO4 < 5.5	65%	71%	69%	71%	76%	72%	81%	69%	81%	68%	68%	62%



# PO4	120	117	106	103	111	112	113	115	113	115	112	114
# PO4 > 3.5	101	90	75	84	85	85	90	90	86	90	94	92
Pop. Mean =	5.0	4.8	4.7	5.0	4.7	4.7	4.5	4.7	4.5	4.9	5.0	5.0
Std. Deviation	1.59	1.59	1.75	1.63	1.64	1.47	1.36	1.61	1.37	1.73	1.55	1.65
Network Mean =												
Natl. Mean =												
% PO4 > 3.5	84%	77%	71%	82%	77%	76%	80%	78%	76%	78%	84%	81%



# Calcium	120	117	106	103	111	112	113	115	113	115	112	114
# Calcium < 10.2	114	112	103	97	106	105	106	108	106	108	101	104
Pop. Mean =	9.0	9.1	9.1	9.1	9.0	9.1	9.1	9.1	9.2	9.1	9.2	9.2
Std. Deviation	0.79	0.73	0.73	0.79	0.78	0.79	0.77	0.72	0.72	0.76	0.76	0.78
Network Mean =												
Natl. Mean =												
% Ca < 10.2	95%	96%	97%	94%	95%	94%	94%	94%	94%	94%	90%	91%



\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

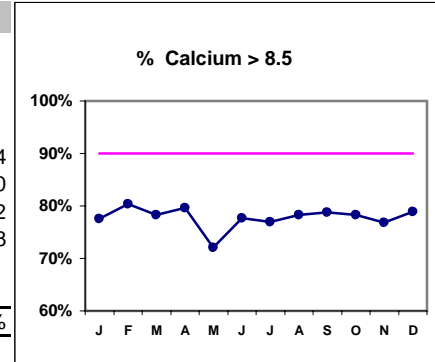
## Haviland Kidney Center - SCU

Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)  
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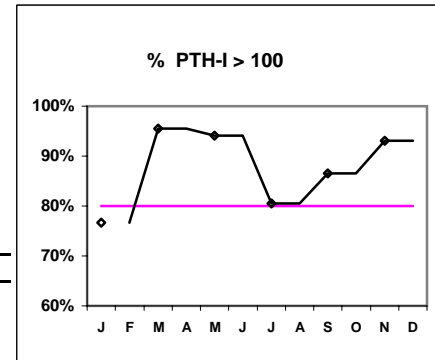
### III. OSTEODYSTROPHY - CONT.

J F M A M J J A S O N D

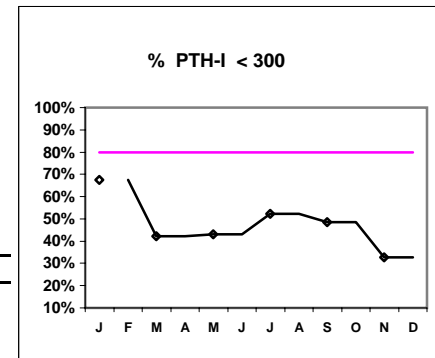
# Calcium	120	117	106	103	111	112	113	115	113	115	112	114
# Calcium > 8.5	93	94	83	82	80	87	87	90	89	90	86	90
Pop. Mean =	9.0	9.1	9.1	9.1	9.0	9.1	9.1	9.1	9.2	9.1	9.2	9.2
Std. Deviation =	0.79	0.73	0.73	0.79	0.78	0.79	0.77	0.72	0.72	0.76	0.76	0.78
Network Mean =												
Natl. Mean =												
<b>% Calcium &gt; 8.5</b>	<b>78%</b>	<b>80%</b>	<b>78%</b>	<b>80%</b>	<b>72%</b>	<b>78%</b>	<b>77%</b>	<b>78%</b>	<b>79%</b>	<b>78%</b>	<b>77%</b>	<b>79%</b>



# PTH-I	120	45	51	113	37	58
# PTH-I > 100	92	43	48	91	32	54
Pop. Mean =	330	548	556	388	154	609
Std. Deviation =	369	476	487	387	347	586
Network Mean =						
Natl. Mean =						
<b>% PTH-I &gt; 100</b>	<b>77%</b>	<b>96%</b>	<b>94%</b>	<b>81%</b>	<b>86%</b>	<b>93%</b>



# PTH-I	120	45	51	113	37	58
# PTH-I < 300	81	19	22	59	18	19
Pop. Mean =	330	548	556	388	154	609
Std. Deviation =	369	476	487	387	347	586
Network Mean =						
Natl. Mean =						
<b>% PTH-I &lt; 300</b>	<b>68%</b>	<b>42%</b>	<b>43%</b>	<b>52%</b>	<b>49%</b>	<b>33%</b>



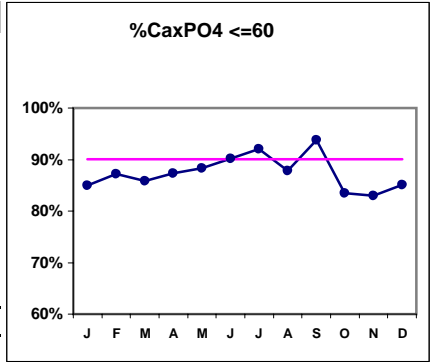
\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

## Haviland Kidney Center - SCU

Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)  
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### III. OSTEODYSTROPHY - CONT.

	J	F	M	A	M	J	J	A	S	O	N	D
# Ca x PO4	120	117	106	103	111	112	113	115	113	115	112	114
# Ca x PO4 <= 60	102	102	91	90	98	101	104	101	106	96	93	97
Pop. Mean =	45.2	43.5	43.0	45.2	42.1	42.2	41.1	42.9	41.0	44.6	45.6	45.9
Std. Deviation =	14.0	14.2	15.6	14.8	14.9	13.2	12.5	14.0	12.2	15.6	14.1	14.8
Network Mean =												
Natl. Mean =												
<b>CaxPO4 &lt;= 60</b>	<b>85%</b>	<b>87%</b>	<b>86%</b>	<b>87%</b>	<b>88%</b>	<b>90%</b>	<b>92%</b>	<b>88%</b>	<b>94%</b>	<b>83%</b>	<b>83%</b>	<b>85%</b>



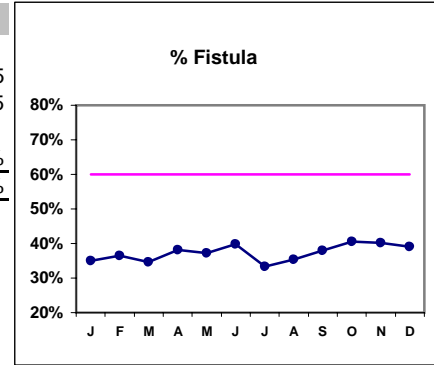
\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

## Haviland Kidney Center - SCU

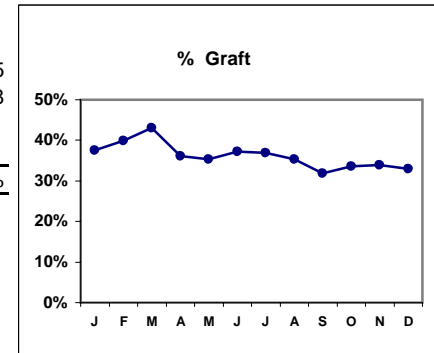
Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)  
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### IV. ACCESS

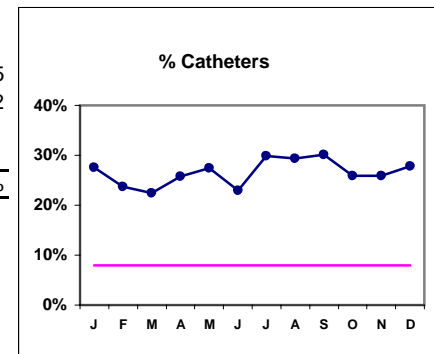
	J	F	M	A	M	J	J	A	S	O	N	D
# Access	120	118	107	105	113	113	114	116	113	116	112	115
# Fistula	42	43	37	40	42	45	38	41	43	47	45	45
<b>Network %</b>												
Natl. % - 2000	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%	30%
% Fistula	35%	36%	35%	38%	37%	40%	33%	35%	38%	41%	40%	39%



# Access	120	118	107	105	113	113	114	116	113	116	112	115
# Graft	45	47	46	38	40	42	42	41	36	39	38	38
<b>Network %</b>												
Natl. %												
% Graft	38%	40%	43%	36%	35%	37%	37%	35%	32%	34%	34%	33%



# Access	120	118	107	105	113	113	114	116	113	116	112	115
# Catheters	33	28	24	27	31	26	34	34	34	30	29	32
<b>Network %</b>												
Natl. %												
% Other	28%	24%	22%	26%	27%	23%	30%	29%	30%	26%	26%	28%



\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.

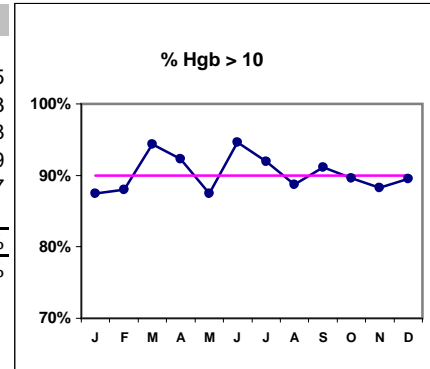
## Haviland Kidney Center - SCU

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### V. ANEMIA

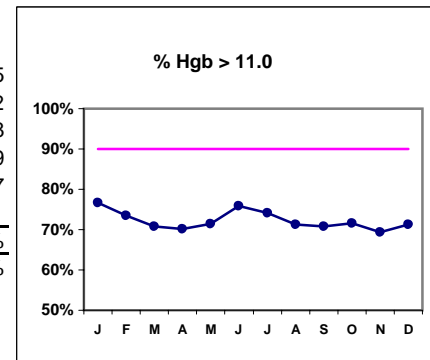
	J	F	M	A	M	J	J	A	S	O	N	D
# Hgb	120	117	106	104	112	112	112	115	113	116	111	115
# Hgb > 10.0	105	103	100	96	98	106	103	102	103	104	98	103
Pop. Mean =	12	12	12	11.8	11.7	11.9	11.7	11.7	11.8	11.6	11.7	11.8
Std. Deviation =	1.53	1.5	1.54	1.58	1.56	1.3	1.23	1.32	1.47	1.35	1.34	1.49
*Network Mean =	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
Natl. Mean =												
% Hgb > 10.0	88%	88%	94%	92%	88%	95%	92%	89%	91%	90%	88%	90%
*% Network >= 10	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%	93%

\*Figures for 2000



# Hgb	120	117	106	104	112	112	112	115	113	116	111	115
# Hgb > 11.0	92	86	75	73	80	85	83	82	80	83	77	82
Pop. Mean =	12	12	12	11.8	11.7	11.9	11.7	11.7	11.8	11.6	11.7	11.8
Std. Deviation =	1.53	1.5	1.54	1.58	1.56	1.3	1.23	1.32	1.47	1.35	1.34	1.49
*Network Mean =	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7
Natl. Mean =												
% Hgb > 11.0	77%	74%	71%	70%	71%	76%	74%	71%	71%	72%	69%	71%
*% Network >= 11	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%	76%

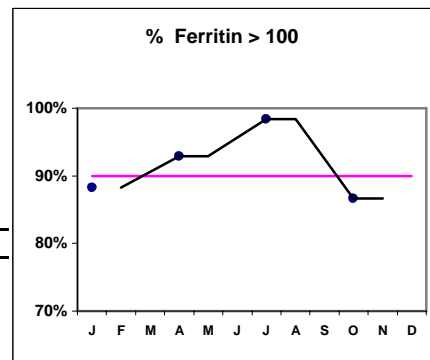
\*Figures for 2000



### Iron Profile

# Ferritin	17	70	64	15
# Ferritin > 100	15	65	63	13
Pop. Mean =	367	445	299	64
Std. Deviation =	224	329	390	208
*Network Mean =	489	489	489	489
Natl. Mean =				
% Ferritin > 100	88%	93%	98%	87%
*% Network > 100	88%	88%	88%	88%

\*Figures for 2000



\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.



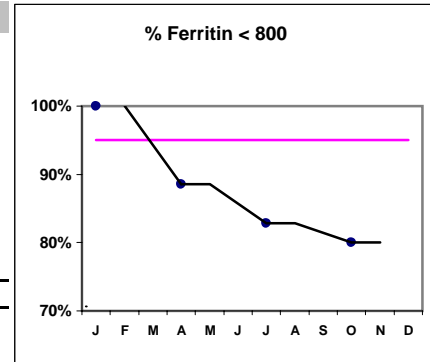
# Haviland Kidney Center - SCU

Quality Assurance Reports (Excludes patients in first 3 months of treatment - as of Dec. 31, 2002)  
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## V. ANEMIA - CONT.

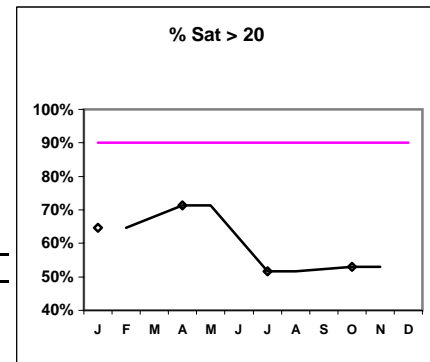
	J	F	M	A	M	J	J	A	S	O	N	D
# Ferritin	17			70			64				15	
# Ferritin < 800	17			62			53				12	
Pop. Mean =	367			445			299				64	
Std. Deviation =	224			329			390				208	
*Network Mean =	489			489			489				489	
Natl. Mean =												
% Ferritin < 800	####			89%			83%				80%	

\*Figures for 2000



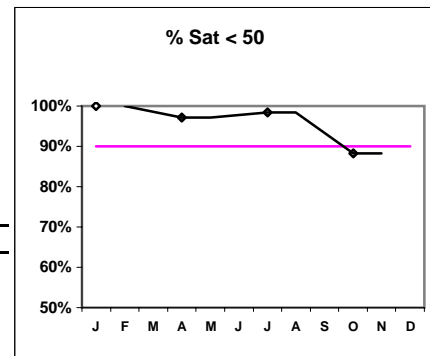
# % Sat	17			70			64				17	
# % Sat > 20	11			50			33				9	
Pop. Mean =	23.8			27.2			23				27.6	
Std. Deviation =	10.9			11.8			9.13				19.9	
*Network Mean =	28			28			28				28	
Natl. Mean =												
% Sat% > 20	65%			71%			52%				53%	
*% Network > 20	71%			71%			71%				71%	

\*Figures for 2000



# % Sat	17			70			64				17	
# % Sat < 50	17			68			63				15	
Pop. Mean =	23.8			27.2			23				27.6	
Std. Deviation =	10.9			11.8			9.13				19.9	
*Network Mean =	28			28			28				28	
Natl. Mean =												
% Sat% < 50	####			97%			98%				88%	

\*Figures for 2000



\*Methodology: a) Monthly values based on patient's monthly average of all values present for the month; b) Quarter values are average of all values for quarter; c) Values not averaged use last value present at months end.